

KINGWE®

[China High-Tech Enterprise]



浙江龙威电器有限公司
ZHEJIANG KINGWE ELECTRICAL CO., LTD.

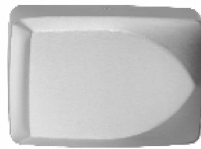


Simon Loo 龙克

Mail: kingwe@ikingwe.com
Mob: 0086-15257917555
Tel/Fax: 0086-579-82523382
Web: www.ikingwe.com
Wechat/Skype: 15257917555
Add: Jinhua City, Zhejiang, China



KINGWE®



■ ABOUT US

KINGWGE is a [China High-Tech Enterprise] and Trusted manufacturer specializes in designing&producing hand dryers for those medium& high level customers. 80% of our hand dryers is for US&Europe customers.

We have more than 25,000M² ISO standard & Certificated modern factory, full experienced engineers , professional international business service and high quality production equipments.

We customers are from more than 60 countries and region.

Warmly welcome world wide OEM, ODM, distributors, agents and more flexible cooperation !

■ ABOUT HAND DRYERS

The first public toilet warm air hand drying facilities was invented around 50 years ago. It brought public hygiene hand drying revolution throughout the world.

Thanks for this new hand drying many advantages and it became more and more popular. Nowadays, everywhere public toilet there are hand dryers.

With social development, more than more people care about the nature then high speed hand dryer was born. The high efficient hand dryer achieved fantastic drying time, energy saving, operational heat element ON/OFF, less CO₂ emissions, air filter to avoid bacterial in high level place such food factory, operation room, etc. It is also called ECO Friendly hand dryers.



■ ABOUT HAND DRYERS MOTOR

Brush Contacts Motor

Brushed motors are the most common motors which simplicity and established production techniques means they are the cheapest form of motor. The stationary part is the stator and the rotational part is the armature. The current through the armature coils has to be switched, such that the magnetic field from the stator interacts with that from the armature in giving a force so that the armature rotates continuously.

Hand dryers with brushed motors have:

- Shorter life & Greater noise
- Lower efficiency and therefore use more power
- The brushes and commutator creates significant pollution and dust particles:
 - [A] Carbon and copper dust;
 - [B] Ozone from the electric arcing which increases with brush wear

Brushless Motor



The brushless motor does not have a commutator or windings on the rotor, which is a multipole permanent magnet, therefore does not have the problems detailed above with the brush motor. Only the stator has windings which are switched by suitable electronics in a sequence that depends upon the direction of rotation. The magnets and electronics mean that these motors may be more expensive but benefit from a 5x fold operating life.

Hand dryers with brushless motors offer:

- Longer life (more than 5x)
- Greater efficiency, less energy
- Greater cost savings or operation and cost of product life
- Significantly Quieter
- Environmentally efficient with lower carbon footprint

Diagram Brush Contacts Motor Commutator

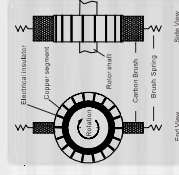
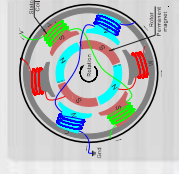


Diagram Brushless Motor



42,000 RPM
550 W [0.74 HP]
144M³/H [80CFM]
3 Phases 6 Poles
Class 120

JetBlade® KW-1091L [Brushless Motor]
KW-1091 [Brush Contacts Motor]

- Design for very high traffic
- Optional ON/OFF heat element switch
- Automatic hands ON/OFF by infrared sensor
- 30,000RPM Brush motor
35,000RPM Brushless motor
7 - 9 Seconds drying time
- HEPA & coarse filter at inlet
- ON/OFF hand dryer power switch
- Externally visible service light guides hands to air flow
- Bacterial free UVC LED lamp after HEPA filter
- Friendly drying indicator
25 Seconds auto shut off
- Convenient plug in feature
Optional hardware installation
- Water tank bottom has overflow pipe connector
- Sight indicator shows water tank empty required
- Easy maintenance
Easy wall surface mounted
Anti-theft lockable



White & Black



Metallic Silver



White Glossy



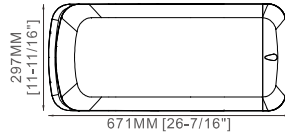
Black Matt

TECHNICAL DATA KW-1091L [Brushless Motor]

Motor Type:	Brushless Motor, 35,000 RPM, 1350 W [1.81 HP]
Voltage (v1):	110 V - 120 V 60 Hz, 14.5 A, 1750 W
Voltage (v2):	220 V - 240 V 50/60 Hz, 7.6 A, 1750 W
Air Temperature:	40°C [104 °F] [Room Temp.-25°C [77 °F]]
Air Velocity:	160 M/S [525 FT/S] / 576 KM/H [358 MPH]
Air Flow:	114 MPH [67 CFM]
Drying Time:	7 Seconds
Protection Level:	IP 23
Electrical Isolation:	CLASS I
Noise Level [at 1 M]:	70 dB
Cover Material:	High Impact ABS Plastic
Unit Shipping Weight:	11.0 KG [24.0 LB]
Unit Net Weight:	8.3 KG [20.0 LB]

TECHNICAL DATA KW-091 [Brush Motor]

Motor Type:	Brush Motor, 30,000 RPM, 1250 W [1.69 HP]
Voltage (v1):	110 V - 120 V 60 Hz, 13.75 A, 1650 W
Voltage (v2):	220 V - 240 V 50/60 Hz, 7.7 A, 1650 W
Air Temperature:	40°C [104 °F] [Room Temp.-25°C [77 °F]]
Air Velocity:	150 M/S [492 FT/S] / 540 KM/H [336 MPH]
Air Flow:	108 MPH [63.4 CFM]
Drying Time:	9 Seconds
Protection Level:	IP 23
Electrical Isolation:	CLASS II
Noise Level [at 1 M]:	70 dB
Cover Material:	High Impact ABS Plastic
Unit Shipping Weight:	9.3 KG [20.0 LB]
Unit Net Weight:	7.5 KG [16.0 LB]





JetDry®

KW-1036L [Brushless Motor]
KW-1036 [Brush Contacts Motor]

TECHNICAL DATA KW-1034L [Brushless Motor]

Motor Type:	Brushless Motor, 42,000 RPM, 550 W [0.74 HP]
Voltage (c1):	110 V ~ 120 V 60 Hz, 15 A, 1800 W
Voltage (c2):	220 V ~ 240 V 50/60 Hz, 7.8 A, 1800 W
Air Temperature:	45°C [113°F] [Room Temp.+25°C [77°F]]
Air Velocity:	100 M/S [328 FT/S] / 340 KM/H [224 MPH]
Air Flow:	120 M ³ /H [70.5 CFM]
Drying Time:	8 to 10 Seconds
Sensor Range:	5 ~ 15 CM
Protection Level:	IP23
Electrical Isolation:	CLASS I
Noise Level [at 1 M]:	74 dB
Cover Material:	Stainless Steel 304
Unit Shipping Weight:	4.7 KG [10.36 LB]
Unit Net Weight:	4.3 KG [9.47 LB]

TECHNICAL DATA KW-1034 [Brush Motor]

Motor Type:	Brush Contacts Motor, 22,000 RPM, 550 W [0.74 HP]
Voltage (c1):	110 V ~ 120 V 60 Hz, 15 A, 1800 W
Voltage (c2):	220 V ~ 240 V 50/60 Hz, 7.8 A, 1800 W
Air Temperature:	45°C [113°F] [Room Temp.+25°C [77°F]]
Air Velocity:	100 M/S [328 FT/S] / 360 KM/H [224 MPH]
Air Flow:	120 M ³ /H [70.5 CFM]
Drying Time:	8 to 10 Seconds
Sensor Range:	5 ~ 15 CM
Protection Level:	IP23
Electrical Isolation:	CLASS I
Noise Level [at 1 M]:	74 dB
Cover Material:	Stainless Steel 304
Unit Shipping Weight:	5.0 KG [11.0 LB]
Unit Net Weight:	4.6 KG [10.1 LB]



Brushed [Satin]



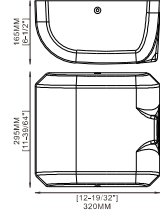
Polished [Mirror]



White Glossy



Black Matt



JetDry®

KW-1034L [Brushless Motor]
KW-1034 [Brush Contacts Motor]

TECHNICAL DATA KW-1034L [Brushless Motor]

Motor Type:	Brushless Motor, 42,000 RPM, 550 W [0.74 HP]
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Sensor Range:	5 ~ 15 CM
Protection Level:	IP23
Electrical Isolation:	CLASS I
Noise Level [at 1 M]:	74 dB
Cover Material:	Stainless Steel 304
Unit Shipping Weight:	4.7 KG [10.36 LB]
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Air Flow:	120 M ³ /H [70.5 CFM]
Drying Time:	8 to 10 Seconds
Sensor Range:	5 ~ 15 CM
Protection Level:	IP23
Electrical Isolation:	CLASS I
Noise Level [at 1 M]:	74 dB
Cover Material:	Stainless Steel 304
Unit Shipping Weight:	5.0 KG [11.0 LB]
Unit Net Weight:	4.6 KG [10.1 LB]



Brushed [Satin]



Polished [Mirror]



White Glossy



Black Matt

